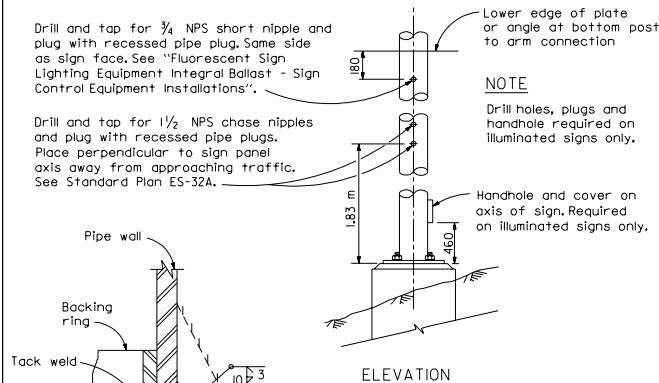
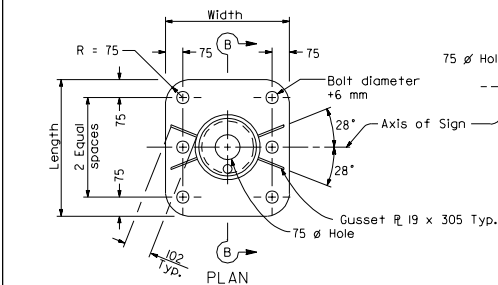


Drill and tap for 3/4 NPS short nipple and plug with recessed pipe plug. Same side as sign face. See "Fluorescent Sign Lighting Equipment Integral Ballast - Sign Control Equipment Installations".

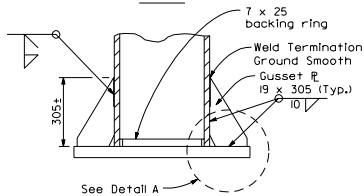
Drill and tap for 1/2 NPS chase nipples and plug with recessed pipe plugs. Place perpendicular to sign panel axis away from approaching traffic. See Standard Plan ES-32A.



DETAIL A



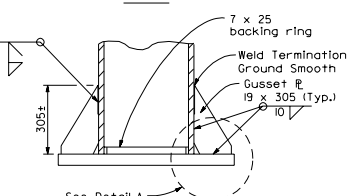
PLAN



SECTION B-B

6 NPS THRU 8 NPS POSTS

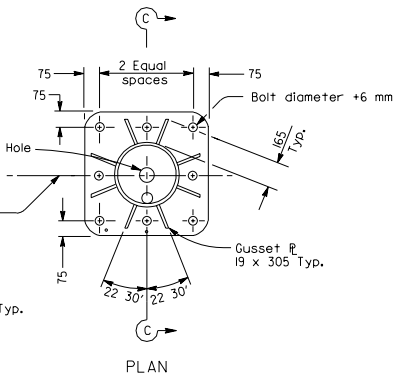
BASE PLATE DETAILS



SECTION C-C

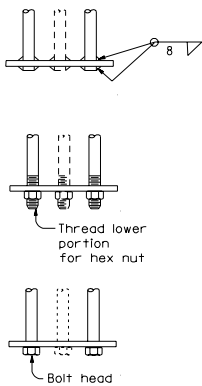
10 NPS THRU 14 NPS POSTS

BASE PLATE DETAILS



PLAN

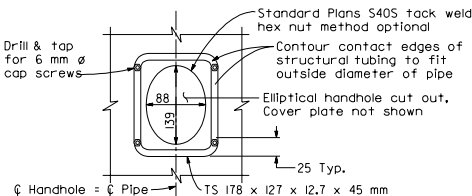
ALTERNATIVE BAR CONNECTIONS



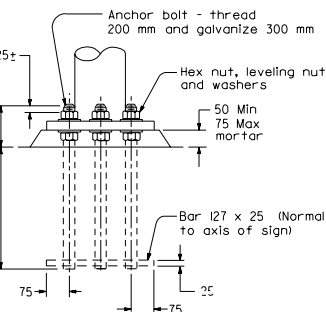
NOTE
Drill holes, plugs and handhole required on illuminated signs only.

Handhole and cover on axis of sign. Required on illuminated signs only.

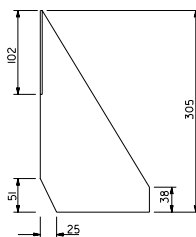
Lower edge of plate or angle at bottom post to arm connection



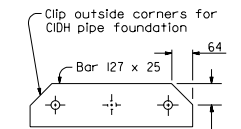
TYPICAL DETAILS OF HANDHOLE AND COVER



ANCHORAGE BOLT



GUSSET DETAIL



BAR PLAN
ANCHORAGE DETAILS



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL	POST TOTAL	SHEET TOTAL

REGISTERED CIVIL ENGINEER

July 1, 1999

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER

Jeffrey S. Boyd

No. C41260

Exp. 3-31-03

CIVIL

STATE OF CALIFORNIA

GENERAL NOTES

- DESIGN:** AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, dated 1994.
- CONSTRUCTION:** Standard Specifications and the Special Provision.
- WELDING:** All welding continuous unless otherwise noted on the plans. All welding to be done in accordance with the Standard Specifications.

NOTES

1. Footing shall be placed with long dimensions normal to axis of sign.
2. On single post signs the post shall be raked out of the sign frame level.
3. 51mm ϕ anchor bolts may be substituted for 45 mm ϕ bolts. 64 mm ϕ anchor bolts may be substituted for 57 mm ϕ bolts.

Post Size NPS	Base Plate "x" (mm)	Anchor Bolts	
		#	Bolt ϕ
6	7.11	51 x 534 x 534	6 51 mm
6	10.97	51 x 534 x 534	6 51 mm
8	8.18	51 x 534 x 534	6 51 mm
8	12.7	51 x 534 x 534	6 51 mm
10	12.7	51 x 715 x 715	8 57 mm
12	12.7	51 x 715 x 715	8 57 mm
14	12.7	51 x 715 x 715	8 57 mm
14	15.88	51 x 715 x 715	8 57 mm

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-LIGHTWEIGHT POST DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

S20A